

**New Hampshire Department of Transportation  
 Bureau of Materials & Research**

**Qualified Products List – Qualification Criteria**

**Section 413 – Hot Poured Crack Sealant**

**A. Item 413.1 - HOT POURED CRACK SEALANT (ASTM D-3405)**

**B. Item 413.2 - HOT POURED CRACK SEALANT (LOW MODULUS)**

- Specification

Material not covered by an asphalt pavement overlay shall meet the requirements of ASTM D 3405. Material covered by an asphalt pavement overlay shall conform to ASTM D 3405, modified as follows:

Cone Penetration, Non-Immersed @ 77° (25°C), 150g, 5s shall be 110 – 150.

- Required Submissions

Manufacturer shall submit a completed Preliminary Information for Product Evaluation (PIPE) form along with product literature and test results showing conformance with the applicable specification. Information submitted should also include a list of other States that have either qualified the product for use or are currently evaluating it.

- Qualification Criteria

The Department will review submitted information to assure conformance with the specifications. Following a review of submitted information, the Department may request a sample of the product for testing in the Department's Materials & Research laboratory. The sample shall be comprised of the following: 3-8 oz. Ointment tins filled to capacity from a typical production run of the sealant. The tins shall be covered with tight fitting lids and sealed with tape to prevent contamination. Each of the tins shall be clearly labeled with the manufacturer, product name and date sampled. The tins containing the samples shall be accompanied with documentation from the manufacturer certifying that the sample is from typical production and documentation showing the manufacturer's test results from the same batch.

Once testing is performed and results show conformance with the specifications, the Department will allow the sealer to be applied on a project as an alternative to a currently qualified sealer. This application could occur on a project being conducted under contract or by Highway Maintenance forces. It is the responsibility of the manufacturer and/or sales representative to work with a Contractor or with Highway Maintenance forces to set up this application. Written approval of the test site location must be obtained from the Bureau of Materials & Research prior to the application.

A representative field sample from the test site shall be taken during application. The field sample shall be taken after the material has reached the application temperature specified by the manufacturer and sealing operations have commenced. The field sample shall be comprised of 3-8 oz. ointment tins filled to capacity with the product. The tins shall be covered with tight fitting lids and sealed with tape to prevent contamination. Each of the tins shall be clearly labeled with the manufacturer, product name, project name and number, and date sampled. A certificate of compliance shall accompany the field sample stating the product meets all specification requirements.

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Following the Department's two-year evaluation of the sealer application, the manufacturer will be notified of the qualification status.

Approved by: *Alan D. Rawson*  
Bureau Administrator

The Department continues to evaluate its qualification criteria as well as products that have been qualified against them, and reserves the right to revise the criteria and/or withdraw product qualification at any time for any reason without notice.